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1 Level set and PDE methods for computer graphics

David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: pdf(17.07 MB) Additional Information: full citation, abstract, citings

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

2 Personal imaging and lookpainting as tools for personal documentary and investigative photojournalism

Steve Mann
March 1999 **Mobile Networks and Applications**, Volume 4 Issue 1
Publisher: Kluwer Academic Publishers
Full text available: pdf(2.24 MB) Additional Information: full citation, abstract, references, citings, index terms

A means and apparatus for covert capture of extremely high-resolution photorealistic images is presented. The apparatus embodies a new form of user-interface – instead of the traditional "point and click" metaphor which was thought to be the simplest photography had to offer, what is proposed is a "look" metaphor in which images are generated through the natural process of looking around, in a manner that does not require conscious thought or effort. These &ldq ...

3 Projectors: advanced graphics and vision techniques

Ramesh Raskar
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes SIGGRAPH '04**
Publisher: ACM Press
Full text available: pdf(6.53 MB) Additional Information: full citation

4 Steerable illumination textures

Michael Ashikhmin, Peter Shirley

January 2002 **ACM Transactions on Graphics (TOG)**, Volume 21 Issue 1

Publisher: ACM Press

Full text available: pdf(4.52 MB) Additional Information: full citation, abstract, references, citings, index terms

We introduce a new set of illumination basis functions designed for lighting bumpy surfaces. This lighting includes shadowing and interreflection. To create an image with a new light direction, only a linear combination of precomputed textures is required. This is possible by using a carefully selected set of steerable basis functions. Steerable basis lights have the property that they allow lights to move continuously without jarring visual artifacts. The new basis lights are shown to produce i ...

Keywords: Bump mapping, displacement mapping, relighting, steerable functions, textures

5 Global abstraction-safe marshalling with hash types

James J. Leifer, Gilles Peskine, Peter Sewell, Keith Wansbrough

August 2003 **ACM SIGPLAN Notices , Proceedings of the eighth ACM SIGPLAN international conference on Functional programming ICFP '03**, Volume 38 Issue 9

Publisher: ACM Press

Full text available: pdf(226.25 KB) Additional Information: full citation, abstract, references, citings, index terms

Type abstraction is a key feature of ML-like languages for writing large programs. Marshalling is necessary for writing distributed programs, exchanging values via network byte-streams or persistent stores. In this paper we combine the two, developing compile-time and run-time semantics for marshalling, that guarantee abstraction-safety between separately-built programs. We obtain a namespace for abstract types that is global, i.e. meaningful between programs, by hashing module declarations. We ...

Keywords: ML, abstract types, distributed programming, hashing, lambda calculus, marshalling, modules, programming languages, serialisation, singleton kinds, type theory

6 Continuous lifelong capture of personal experience with EyeTap

Steve Mann

October 2004 **Proceedings of the the 1st ACM workshop on Continuous archival and retrieval of personal experiences**

Publisher: ACM Press

Full text available: pdf(4.25 MB) Additional Information: full citation, abstract, references, index terms

I begin with the argument that continuous archival of personal experience requires certain criteria to be met. In particular, for continuous usage, it is essential that each ray of light entering the eye be collinear with a corresponding ray of light entering the device, in at least one mode of operation. This is called the EyeTap criterion, and devices meeting this criterion are called EyeTap devices. Secondly, I outline Mediated Reality as a necessary framework for continuous archival and r ...

Keywords: computer mediated reality, computer vision, concomitant cover activity, cyborglog, equiveillance, eyetap, inverse surveillance, oversight, perveillance, sousveillance, sousvey, surveillance, survey, undersight, weblog

7

The Hearsay-II Speech-Understanding System: Integrating Knowledge to Resolve Uncertainty
Lee D. Erman, Frederick Hayes-Roth, Victor R. Lesser, D. Raj Reddy
June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2
Publisher: ACM Press
Full text available: pdf(3.83 MB) Additional Information: full citation, references, citings, index terms

8 From Electron Mobility to Logical Structure: A View of Integrated Circuits
Wesley A. Clark
September 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 3
Publisher: ACM Press
Full text available: pdf(3.29 MB) Additional Information: full citation, references, citings, index terms

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1 Transitioning a model-based software engineering architectural style to Ada 95
Anthony Gargaro, A. Spencer Peterson
November 1995 **Proceedings of the conference on TRI-Ada '95: Ada's role in global markets: solutions for a changing complex world**
Publisher: ACM Press
Full text available: pdf(2.42 MB) Additional Information: full citation, references

2 Supporting diversity with component frameworks as architectural elements
Jan Gerben Wijnstra
June 2000 **Proceedings of the 22nd international conference on Software engineering**
Publisher: ACM Press
Full text available: pdf(315.93 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we describe our experience with component frameworks within a family architecture for a medical imaging product family. The component frameworks are handled as an integral part of the architectural approach and are an important means to support diversity in the functionality provided by the individual family members.This paper focuses on a particular kind of component framework that has been applied throughout the medical imaging product family. This kind of framew ...

Keywords: component based development, component frameworks, diversity, platform, plug-ins, product family architecture

3 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press
Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex

and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 Frame-based method for customizing generic software architectures

Yu Chye Cheong, Stanislaw Jarzabek
May 1999 **Proceedings of the 1999 symposium on Software reusability**
Publisher: ACM Press
Full text available: pdf(1.14 MB) Additional Information: full citation, references, citings, index terms

Keywords: domain engineering, frame technology, generic software architectures, reuse, system families

5 ArchMatE: from architectural styles to object-oriented models through exploratory tool support

J. Andrés Díaz-Pace, Marcelo R. Campo
October 2005 **ACM SIGPLAN Notices , Proceedings of the 20th annual ACM SIGPLAN conference on Object oriented programming, systems, languages, and applications OOPSLA '05**, Volume 40 Issue 10
Publisher: ACM Press
Full text available: pdf(443.18 KB) Additional Information: full citation, abstract, references, index terms

Given the difficulties of conventional object technologies to deal with quality-attribute concerns, software architectures appear as an interesting approach to manage them better. A problem to make this approach feasible is the gap between architectural and object models. Succeeding in bridging these two worlds implies that those design decisions about quality attributes made at the architectural level should be reflected at the object level. Nonetheless, a given architecture usually admits mult ...

Keywords: architectural styles, frameworks, quality attributes, tool support

6 A comprehensive approach for the development of modular software architecture description languages

Eric M. Dashofy, André van der Hoek, Richard N. Taylor
April 2005 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 14 Issue 2
Publisher: ACM Press
Full text available: pdf(3.51 MB) Additional Information: full citation, abstract, references, index terms

Research over the past decade has revealed that modeling software architecture at the level of components and connectors is useful in a growing variety of contexts. This has led to the development of a plethora of notations for representing software architectures, each focusing on different aspects of the systems being modeled. In general, these notations have been developed without regard to reuse or extension. This makes the effort in adapting an existing notation to a new purpose commensurate ...

Keywords: ArchStudio 3, Architecture description languages, XML, xADL 2.0

7 From protocol stack to protocol heap: role-based architecture

Robert Braden, Ted Faber, Mark Handley
January 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 1
Publisher: ACM Press

Full text available: pdf(224.69 KB) Additional Information: full citation, abstract, references, index terms

Questioning whether layering is still an adequate foundation for networking architectures, this paper investigates non-layered approaches to the design and implementation of network protocols. The goals are greater flexibility and control with fewer feature interaction problems. The paper further proposes a specific non-layered paradigm called *role-based architecture*.

Keywords: metadata, modularity, non-layered architecture, processing rules, role-based, signaling

8 Secure collaboration: Role-based access management for ad-hoc collaborative sharing

Jing Jin, Gail-Joon Ahn

June 2006 **Proceedings of the eleventh ACM symposium on Access control models and technologies SACMAT '06**

Publisher: ACM Press

Full text available: pdf(839.88 KB) Additional Information: full citation, abstract, references, index terms

Under scientific collaborations, resource sharing tends to be highly dynamic and often ad hoc. The dynamic characteristics and sharing patterns of ad-hoc collaborative sharing impose a need for comprehensive and flexible approaches to reflect and cope with the unique access control requirements associated with the ad-hoc collaboration. In this paper, we propose a role-based access management framework to enable secure resource sharing,especially focusing on the digital information sharing in the ...

Keywords: XACML-based policy framework, access control, ad-hoc collaboration, information sharing

9 Exploiting style in architectural design environments

David Garlan, Robert Allen, John Ockerbloom

December 1994 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2nd ACM SIGSOFT symposium on Foundations of software engineering SIGSOFT '94**, Volume 19 Issue 5

Publisher: ACM Press

Full text available: pdf(1.42 MB) Additional Information: full citation, abstract, references, citings, index terms

As the design of software architectures emerges as a discipline within software engineering, it will become increasingly important to support architectural description and analysis with tools and environments. In this paper we describe a system for developing architectural design environments that exploit architectural styles to guide software architects in producing specific systems. The primary contributions of this research are: (a) a generic object model for representing architectural design ...

10 Principled design of the modern Web architecture

Roy T. Fielding, Richard N. Taylor

May 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 2

Publisher: ACM Press

Full text available: pdf(335.47 KB) Additional Information: full citation, abstract, references, citings, index terms

The World Wide Web has succeeded in large part because its software architecture has been designed to meet the needs of an Internet-scale distributed hypermedia application. The modern Web architecture emphasizes scalability of component interactions, generality of interfaces, independent deployment of components, and intermediary components to

reduce interaction latency, enforce security, and encapsulate legacy systems. In this article we introduce the Representational State Transfer (REST) arc ...

Keywords: Network-based applications, REST, World Wide Web

11 Frontmatter (TOC, Letters, Election results, Software Reliability Resources!, Computing Curricula 2004 and the Software Engineering Volume SE2004, Software Reuse Research, ICSE 2005 Forward)

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

Full text available: pdf(6.19 MB) Additional Information: full citation, index terms

12 Notes on the second international workshop on development and evolution of software architectures for product families

Paul C. Clements, Nelson Weiderman

May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: pdf(601.13 KB) Additional Information: full citation, index terms

13 Workshop on compositional software architectures: workshop report

May 1998 **ACM SIGSOFT Software Engineering Notes**, Volume 23 Issue 3

Publisher: ACM Press

Full text available: pdf(2.91 MB) Additional Information: full citation, index terms

14 XML implementation of frame processor

Tak Wong, Stan Jarzabek, Soe Myat Swe, Ru Shen, Hongyu Zhang

May 2001 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2001 symposium on Software reusability: putting software reuse in context SSR '01**, Volume 26 Issue 3

Publisher: ACM Press

Full text available: pdf(250.34 KB) Additional Information: full citation, abstract, references, citings, index terms

A quantitative study has shown that frame technology [1] supported by Fusion toolset can lead to reduction in time- tomarket (70%) and project costs (84%). Frame technology has been developed to handle large COBOL- based business software product families. We wished to investigate how the principle of frame approach can be applied to support product families in other application domains, in particular to build distributed component-based systems written in Object- Oriented languages. As Fu ...

Keywords: frame technology, product families, variant requirements

15 Migrating well engineered Ada 83 applications into newer architecture and reuse based Ada 95 systems: experiences from Boeing's reuse initiative project

Scott Arthur Moody

December 1996 **Proceedings of the conference on TRI-Ada '96: disciplined software development with Ada**

Publisher: ACM Press

Full text available: pdf(1.25 MB) Additional Information: full citation, references, citings, index terms

16 Modeling software architectures in the Unified Modeling Language

Nenad Medvidovic, David S. Rosenblum, David F. Redmiles, Jason E. Robbins
January 2002 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 11 Issue 1
Publisher: ACM Press

Full text available: pdf(779.54 KB) Additional Information: full citation, abstract, references, citings, index terms, review

The Unified Modeling Language (UML) is a family of design notations that is rapidly becoming a de facto standard software design language. UML provides a variety of useful capabilities to the software designer, including multiple, interrelated design views, a semiformal semantics expressed as a UML meta model, and an associated language for expressing formal logic constraints on design elements. The primary goal of this work is an assessment of UML's expressive power for modeling software archit ...

Keywords: C2, Object Constraint Language, Rapide, Unified Modeling Language, Wright, formal modeling, object-oriented design, software architecture

17 Acme: an architecture description interchange language

David Garlan, Robert Monroe, David Wile
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**
Publisher: IBM Press

Full text available: pdf(261.75 KB) Additional Information: full citation, abstract, references, citings, index terms

Numerous architectural description languages (ADLs) have been developed, each providing complementary capabilities for architectural development and analysis. Unfortunately, each ADL and supporting toolset operates in isolation, making it difficult to integrate those tools and share architectural descriptions. Acme is being developed as a joint effort of the software architecture research community as a common interchange format for architecture design tools. Acme provides a structural framework ...

18 Architecting families of software systems with process algebras

Marco Bernardo, Paolo Ciancarini, Lorenzo Donatiello
October 2002 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 11 Issue 4
Publisher: ACM Press

Full text available: pdf(358.61 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Software components can give rise to several kinds of architectural mismatches when assembled together in order to form a software system. A formal description of the architecture of the resulting component-based software system may help to detect such architectural mismatches and to single out the components that cause the mismatches. In this article, we concentrate on deadlock-related architectural mismatches arising from three different causes that we identify: incompatibility between two com ...

Keywords: Architectural mismatch detection, architectural styles, process algebras, software architectures

19 Workshop papers: Modeling and implementing variability in state machine based

process family architectures for automotive systems
Arnd Schnieders
May 2006 **Proceedings of the 2006 international workshop on Software engineering for automotive systems SEAS '06**
Publisher: ACM Press
Full text available: pdf(396.23 KB) Additional Information: full citation, abstract, references, index terms

In this paper we present an approach for modeling UML State Machine based process family architectures, which is part of our work to transfer Product Family Engineering techniques to process oriented software like automotive systems. For modeling UML State Machine based architectures of automotive system families we introduce a set of variability mechanisms. These allow for taking the different properties of variability realization techniques into account during the development of a process fami ...

Keywords: UML 2.0 state machines, automotive, process family engineering, product family architecture, variability mechanisms

20 Special issue: AI in engineering
D. Sriram, R. Joobbani
April 1985 **ACM SIGART Bulletin**, Issue 92
Publisher: ACM Press
Full text available: pdf(8.79 MB) Additional Information: full citation, abstract

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

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S18	42	(component adj framework) and (plug adj in) and (list near8 service)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:27
S19	41	(component adj framework) and (plug adj in) and (list near3 service)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:27

EAST Search History

S20	1	(((component adj framework) and (plug adj in) and (list near3 service)) and role) and X-ray	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:28
S21	41	((component adj framework) and (plug adj in) and (list near3 service)) and role	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:28
S22	25	(component adj framework) and X-ray	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:43
S23	1	(component adj framework) and X-ray and plug-in	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:31
S24	1	(component adj framework) and X-ray and (plug adj in)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:31
S25	0	DCOM and (Java adj baens)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:43
S26	0	DCOM and (Javabaens)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:43
S27	0	COM and (Javabaens)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:43
S28	0	COM and (Javabaen)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:43
S29	1130	Javabean	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:43
S30	159	DCOM and (Java adj bean)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:44
S31	1	DCOM and (Java adj bean) and X-ray	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:44
S32	12	DCOM and X-ray	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:50
S33	545	COM and X-ray same table	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:52
S34	545	COM and (X-ray same table)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:52

EAST Search History

S35	0	(component adj object adj model) and (X-ray same table)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:52
S36	20	(component adj object adj model) and (X-ray)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:58
S37	1	(component adj object adj model) and (Xray)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 11:59
S38	14	Javabean and (Xray)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:00
S39	0	CORBA and (Xray)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:00
S40	112	Javabean and (X adj ray)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:00
S41	0	Javabean and ((X adj ray) near5 machine)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:00
S42	0	Javabean and ((X adj ray) same machine)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:00
S43	0	Javabean and ((X adj ray) same examination)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:01
S44	30	Javabean and ((X adj ray) same apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:02
S45	5	object same ((X adj ray) same apparatus) and java	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:04
S46	31	object and ((X adj ray) same apparatus) and java	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:05
S47	359	COM near2 DCOM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:05
S48	343	COM near DCOM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:06
S49	91	COM near DCOM and IDL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:08

EAST Search History

S50	0	EJB and ((x-ray) or (x adj ray)) same apparatus	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:09
S51	1	Enterprise adj Java adj Beans and ((x-ray) or (x adj ray))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:11
S52	38	CORBA and ((x-ray) or (x adj ray))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:22
S53	194	IDL and ((x-ray) or (x adj ray))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:22
S54	3	IDL and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:23
S55	0	IIOP and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:24
S56	103	COM and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:24
S57	0	COM and java and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:24
S58	0	(COM same object) and interface and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:24
S59	0	(COM same object) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:24
S60	1	(COM same interface) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:25
S61	0	(component adj object adj model) and interface and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:25
S62	0	(component adj object adj model) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:25
S63	0	((component adj object adj model) or DCOM) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:26
S64	0	((component adj object adj model) or DCOM or EJB or Javabean or (Java adj bean)) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:30

EAST Search History

S65	108	(component adj object adj model) and DCOM and EJB	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:27
S66	103	((component adj object adj model) or COM or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:31
S67	0	((component adj object adj model) or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:32
S68	1	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) near5 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:32
S69	2	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) near8 apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:33
S70	36	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) same apparatus)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:51
S71	0	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) near2 machine)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:34
S72	1	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) same machine)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:38
S73	4	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (((x-ray) or (x adj ray)) near5 equipment)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:48

EAST Search History

S74	1	("6350239").PN.	USPAT; USOCR	OR	OFF	2004/08/28 12:49
S75	189	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:51
S76	0	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) same ((x-ray) or (x adj ray))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:51
S77	191	(((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray)))"ab."	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:40
S78	0	(((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray))).ab.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:52
S79	189	(((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:56
S80	154	((((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray)))) and table	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:52
S81	140	((((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray)))) and table and source	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:53
S82	89	((((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and ((x-ray) or (x adj ray)))) and table and source and detector	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 12:53
S83	140	common adj interface and DCOM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:05
S84	8	Jini and ((x-ray) or (x adj ray))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:06

EAST Search History

S85	39	list near5 javabean	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:29
S86	106	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (service near5 initialization)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:41
S87	8	((component adj object adj model) or CORBA or DCOM or EJB or Javabean or (Java adj bean) or COM+ or JSP or XPCOM) and (service near5 initialization same list)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:46
S88	101	Java same Introspection	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:46
S89	33	Java same Introspection same API	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:47
S90	14	Javabean same Introspection same API	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:48
S91	5	Javabean same Introspection same API and initializ$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/08/28 14:48
S98	386	(generic near2 interface) and (service near2 interface) and architecture	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/01/03 16:09
S99	8	(generic near2 interface) same (service near2 interface) same architecture	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/01/03 16:10
S100	4	(generic near2 interface) same (service near2 interface) same architecture same software	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/01/03 16:10
S101	4	(generic near2 interface) same (service near2 interface) same architecture near2 software	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/01/03 16:16
S102	4	(generic near2 interface) same (service near2 interface) same architecture near2 software and (specific same interface)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/01/03 16:40
S103	1	("20030186228").PN.	US-PGPUB	OR	OFF	2005/01/03 16:40
S104	3	identify$5 near5 slow near3 link	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/25 13:08

EAST Search History

S105	17	identify$5 near5 weak near3 link	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/25 13:08